David Kirby   2 ▼

UNM LEARN

🏠   Course Home   Module 4   **Take Test: Quiz 4.3**   ?

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Test Information

Description

Instructions

Multiple Attempts This test allows multiple attempts.

Force Completion This test can be saved and resumed later.

QUESTION 1   1 points   Saved

Which one of the following statements is correct?

○ The output response consists of the step response and the plant.

● The output response consists of terms arising from the input and from the poles of the plant.

The output response consists of terms arising from the input

❖ Question Completion Status:

○ The input response consists of terms arising from the output and from the poles and zeros of the plant.

QUESTION 2   1 points   Saved

For the system $G(s) = \dfrac{10}{s + 10}$ with input $R(s) = \dfrac{1}{s}$, which of the

following describes the output response?

○ $Y(s) = \dfrac{10s}{s+10}$

◉ $Y(s) = \dfrac{10}{s(s+10)}$

○ $Y(s) = \dfrac{s+10}{10}$

○ $Y(s) = \dfrac{10}{s+10} + \dfrac{1}{s}$

QUESTION 3   1 points   Saved

For the system $G(s) = \dfrac{2}{s+2}$ with input $R(s) = \dfrac{1}{s+5}$, which of the

following could describe the output response, for some constants P, Q?

◉ $Y(s) = \dfrac{P}{s+5} + \dfrac{Q}{s+2}$

○ $Y(s) = \dfrac{P}{s+5} + \dfrac{Q}{s}$

○ $Y(s) = \dfrac{P(s+5)}{Q(s+2)}$

○ $Y(s) = \dfrac{P}{s+10} + \dfrac{Q}{s+7}$

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Save All Answers   Save and Submit